



National Aeronautics and
Space Administration

John H. Glenn Research Center
at Lewis Field

Lewis' Educational and Research Collaborative Internship Program (L.E.R.C.I.P.)

2003 SUMMER INTERNSHIP FOR SECONDARY TEACHERS

"To inspire the next generation of explorers . . . as only NASA can"

Program Description

This is an educational program that provides internships for teachers interested in expanding their knowledge in the areas of science, engineering, math, and professional administrative. Internships of a 10-week duration are available during the summer months at the NASA John H. Glenn Research Center. The internships are offered under the auspices of Lewis' Educational and Research Collaborative Internship Program (L.E.R.C.I.P.), a collaborative undertaking of the Glenn Office of Educational Programs (<http://www.grc.nasa.gov/WWW/OEP>) and OAI (<http://www.oai.org>).

Program Goal

Internships are intended to provide teachers with professional experience to enhance academic skills and abilities in the classroom. Teachers are given assignments in research and development, technical, or administrative projects under the guidance of a NASA staff member. The mentor in identifying student assignments will consider the student's academic level and field of interest, when possible. Program activities include oral presentations, and a variety of scheduled enrichment activities. Because of the programs short duration and intensive requirements, no vacation time or summer classes can be taken during the internship. If selected, the teacher must be present for the entire 5-day, 40-hours per week, Monday through Friday.

Glenn Research Center (<http://www.grc.nasa.gov>)

The NASA Glenn Research Center defines and develops advanced technology for high-priority national needs. The work of the Center is directed toward new propulsion, power, and communications technologies for application to aeronautics and space. Glenn has been designated as the NASA Lead Center for Aeropropulsion. The Center's aeropropulsion program plays a significant role in the Agency's goals to promote economic growth and national security through safe, superior, and environmentally compatible U.S. civil and military aircraft propulsion systems.

Glenn is also NASA's Center of Excellence in Turbomachinery. The Center is committed to developing new and innovative technology and leveraging its computational, analytical, and experimental expertise in turbomachinery to future aerospace programs. Glenn leads NASA's research in the microgravity science disciplines. The Center also designs power and propulsion systems for space flight systems in support of NASA programs.

NASA Glenn at Lewis Field is located in the Great Lakes region of Ohio and occupies a 350-acre site, adjacent to Cleveland Hopkins International Airport. The Center comprises over 150 buildings, which contain a unique collection of world-class facilities. Over 3600 people staff Glenn, including civil service employees and support service contractors.

You are encouraged to review the NASA home page to learn more about Glenn's research activities and programs.

Eligibility

Applicants must be **U.S. CITIZENS** who are employed full-time as secondary school teachers.

Interested college and or high school students can obtain application information about the other L.E.R.C.I.P. programs by accessing the Office of Educational Programs web site (<http://www.grc.nasa.gov/WWW/OEP>).

Application Information:

Teachers seeking internships must submit an application. You will be sent a post card or e-mail acknowledging receipt of your application. You are required to complete the entire 10-week tenure. The program does not provide for vacation time and such time should be scheduled outside the tenure period. Additional information may be obtained by contacting:

OAI
ATTN: L.E.R.C.I.P.
22800 Cedar Point Road
Cleveland, OH 44142
Telephone: 440-962-3170 Ext. 5006
Email: internships@oai.org

Applications must be received **no later than January 31, 2003**, to assure consideration.

Application materials received after the deadline will not be considered or processed.

Selection Criteria

Selection in the program is very competitive and is based on the following:

- Glenn organizational/programmatic and budgetary commitments
- Academic level/relative coursework
- Performance background/research interests
- Availability

Schedule

SELECTED teachers will be notified by **April 15, 2003**.

Salaries

The 2003 bi-weekly salary rate for secondary school teachers is \$1500. Salary checks are issued through OAI. The normal statutory withholdings will be held and is based on the tax status filed by each individual.

Travel Allowances

One round-trip travel reimbursement is provided to students whose city of permanent residence is more than 50 miles from Cleveland and who relocate for the program. Reimbursement is based on shortest-route mileage at 36.5 cents per mile and is paid after tenure begins. This amount must not exceed \$500.00. Travel allowances are disbursed to eligible participants 1 week after tenure begins.

Available Internship Tenure Dates for 2003:

Start Dates

May 19, 2003

June 3, 2003

June 16, 2003

End Dates

July 25, 2003

August 8, 2003

August 22, 2003

Housing Accommodations

Students are responsible for making their own housing and travel arrangements. This program does not provide living expenses. If a list of short-term housing is desired, check the appropriate box on the application and one will be provided to you. Please understand that the housing list has been assembled by OAI for your convenience. Accommodations on the list have not been checked and OAI does not advocate them over other accommodations you may find on your own. If selected for the program, you are encouraged to start your search for housing as soon as possible.

L.E.R.C.I.P. TEACHER APPLICATION FORM

Please type or print in black ink only.

Legal name: _____ Social security number: _____
First MI LastMale ☐ Female ☐U.S. citizen ☐ Yes ☐ NoDate of birth: _____ Place of birth: _____
City, State, Country

If U.S. citizen and born outside the U.S. or Puerto Rico you must provide the information requested below:

Naturalization or passport number: _____ Date issued: _____ Date expired: _____

Please check box below of where correspondence should be sent

___ School address: [college applicants only]

___ Home address:

City State Zip Code

City State Zip Code

Telephone: (____) _____

Telephone: (____) _____

Alternate telephone: (____) _____

Alternate telephone: (____) _____

E-mail address: _____

Cumulative GPA _____ out of 4.0

(Minimum eligibility: 3.0 GPA)

Academic level as of Fall 2003:

- | | |
|--|---|
| <input type="checkbox"/> HS Freshman (9) | <input type="checkbox"/> College Sophomore (14) |
| <input type="checkbox"/> HS Sophomore (10) | <input type="checkbox"/> College Sophomore (14) |
| <input type="checkbox"/> HS Junior (11) | <input type="checkbox"/> College Junior (15) |
| <input type="checkbox"/> HS Senior (12) | <input type="checkbox"/> College Senior (16) |
| | <input type="checkbox"/> Master Student (17) |
| | <input type="checkbox"/> Ph.D. Student (18) |
| | <input type="checkbox"/> HS Teacher (19) |

Credit hours earned as of May/June 2003: _____

Total credit hours required for graduation: _____

Planned graduation date: _____

Have you previously participated in a NASA or Federal program? ___ Yes ___ No

Check any of the following NASA programs you have applied for (A) or participated in (P) previously, and indicate the year:

| (A) (P) | (Year) | (A) (P) | (Year) |
|--|--------|--|--------|
| <input type="checkbox"/> <input type="checkbox"/> SHARP | _____ | <input type="checkbox"/> <input type="checkbox"/> NASA Student Involvement Program | _____ |
| <input type="checkbox"/> <input type="checkbox"/> Glenn NASA PLUS | _____ | <input type="checkbox"/> <input type="checkbox"/> NASA Project | _____ |
| <input type="checkbox"/> <input type="checkbox"/> Glenn Engineering Technology | _____ | <input type="checkbox"/> <input type="checkbox"/> SEMAA | _____ |
| <input type="checkbox"/> <input type="checkbox"/> Glenn Explorers | _____ | <input type="checkbox"/> <input type="checkbox"/> FIRST | _____ |
| <input type="checkbox"/> <input type="checkbox"/> Glenn Shadowing Program | _____ | <input type="checkbox"/> <input type="checkbox"/> Glenn TSU College Bound | _____ |
| <input type="checkbox"/> <input type="checkbox"/> Glenn Aerospace Education | _____ | <input type="checkbox"/> <input type="checkbox"/> Other _____ | _____ |
| <input type="checkbox"/> <input type="checkbox"/> Camp (at Oberlin College) | _____ | | |

How did you learn about the program?

- ☐ Inquiry to NASA about summer opportunities
☐ Group visit to the Center
☐ Faculty member or school official
☐ Relative who works for NASA/NASA contractor

| Name | Relationship | Area/Organization |
|---|--------------|-------------------|
| <input type="checkbox"/> NASA website | | |
| <input type="checkbox"/> Office of Educational Programs website | | |
| <input type="checkbox"/> Other (please specify): _____ | | |

OFFICE USE ONLY

Date Received: _____

PR Requirement: \$ _____

Date Processed: _____

11 12 13 14 15 16 17 18 19

Initials: _____

Academic Information

Current position and school: _____

City: _____ State: _____ Zip code: _____ Telephone number: (____) _____

Grade levels you are teaching: _____

Indicate highest degree attained:

☐ Baccalaureate/B.A. or B.S. ☐ Master's/Master's Equivalency ☐ Doctorate

Indicate any degrees or academic programs on which you are currently working:

☐ Baccalaureate/B.A. or B.S. ☐ Master's/Master's Equivalency ☐ Doctorate

☐ Other (specify) _____

Areas of concentration:

☐ Engineering ☐ Mathematics ☐ Social sciences ☐ Education
☐ Humanities ☐ Science ☐ Technology

Primary areas of instruction (check all that apply)

| | | | |
|---------------------------------------|---|--|--|
| <input type="checkbox"/> All subjects | <input type="checkbox"/> Computer science | <input type="checkbox"/> Life sciences | <input type="checkbox"/> Special education |
| <input type="checkbox"/> Astronomy | <input type="checkbox"/> Earth sciences | <input type="checkbox"/> Mathematics | <input type="checkbox"/> Technology education |
| <input type="checkbox"/> Biology | <input type="checkbox"/> Engineering | <input type="checkbox"/> Physical sciences | <input type="checkbox"/> Vocational/technical |
| <input type="checkbox"/> Business | <input type="checkbox"/> Environmental sciences | <input type="checkbox"/> Physics | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> General sciences | <input type="checkbox"/> Social studies | |

Placement Purposes:

List research and/or organization areas that you are interested. Research our NASA home page <http://www/grc.nasa.gov> to learn about the current projects being conducted at Glenn.

Interest: _____ Possible placement area: _____

Interest: _____ Possible placement area: _____

Interest: _____ Possible placement area: _____

2003 Internship Dates (must check one):

| <i>Start date</i> | <i>End date</i> |
|----------------------------|------------------------------|
| _____ <i>May 19, 2003</i> | _____ <i>July 25, 2003</i> |
| _____ <i>June 3, 2003</i> | _____ <i>August 8, 2003</i> |
| _____ <i>June 16, 2003</i> | _____ <i>August 22, 2003</i> |

Housing Data

Do you need to be provided a short-term housing list? ☐ Yes ☐ No

Do we have permission to include your name and email address in a listing to be sent to students interested in shared housing?

☐ Yes ☐ No

Narrative Statement

In the space below, tell us what you would like to achieve during your internship at Glenn. Be sure to address your academic field of interests and potential placement areas and how both you and NASA will benefit if you are selected to participate.

BACKGROUND INFORMATION

Academic honors/awards:

Computer experience (be specific):

Work experience (be sure to include length/year(s) of employment):

List special training or skills related to your internship placement choice(s):

REFERENCES

You must provide two references.

Name, title

Telephone

Name, title

Telephone

CERTIFICATION

I certify by my signature below, that I am a citizen of the United States of America and that all information contained in this application is correct. I further understand and agree that any misrepresentation or inaccurate information on this completed application will be cause for disqualification for consideration and from participation in L.E.R.C.I.P. and other NASA programs. I also understand that if selected to participate, I must participate for the full duration of the program and failure to do so will result in the immediate termination of my internship.

Signature: _____ Date: _____

Teacher Application Information

Name: _____

☐ Male

☐ Female

Program you are applying for: L.E.R.C.I.P. Teacher Internship

In order to determine the degree to which members of each ethnic/racial group are reached by this announcement, NASA requests that the student check the appropriate block(s) below. Submission of this information is VOLUNTARY.

1. Racial background

- a. ☐ African American/Black
- b. ☐ Asian American*
- c. ☐ Caucasian/White
- d. ☐ Hispanic/Latino
- e. ☐ Native American or Alaskan Native
- f. ☐ Pacific Islander/Native Hawaiian**
- g. ☐ Other, please specify: _____

2. Individual with disabilities***

- a. ____ Yes ____ No
- b. If yes, please specify: _____
- c. Please list any special accommodations required:

*This includes, for example, China, India, Japan, and Korea.

** This area includes any of the original peoples of Hawaii; the U.S. Pacific Territories of Guam, American Samoa, and the Northern Marianas; the U.S. Trust Territory of Palau; the Islands of Micronesia and Melanesia; and the Philippines.

*** A person having a physical or mental impairment that substantially limits one or more major life activities, has a record of such impairment, or is regarded as having such impairment.

The information solicited on this form will not be available to those responsible for reviewing applications but will be used to determine the extent to which various populations are represented in the applicant pool.

APPLICATION PACKAGE CHECKLIST

Before completing this application and submission, you should read it thoroughly. Special attention should be given to eligibility requirements, dates, and deadlines. Be sure to complete all blocks with information that is requested. You are encouraged to make a copy of your completed application package, as we are unable to return any application material submitted for the program.

The application will not be considered eligible unless all information requested is provided and an original plus three (3) copies are received by January 31, 2003.

Faxed copies are unacceptable!

Mail completed application package to

| |
|--|
| OAI Mary Auzenne Attn: L.E.R.C.I.P. 22800 Cedar Point Road Cleveland, OH 44142 |
|--|

Should you have any questions, please call

OAI

Telephone: 440-962-3170 Ext. 5006 or

Email: internships@oai.org

Applications or application materials received after January 31, 2003, will not be considered or processed.